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ANNUAL REPORT

on the

HEALTH

of the

Rural District of

Dursley

for the Year 1954

by the

MEDICAL OFFICER OF HEALTH

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by

W. J. DOUGLAS COOPER, M.B., B.Ch., B.A.O., D.P.H.

Medical Officer of Health.



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Vice-Chairman :

G. BILBRUCK, Esq.

Clerk of the Council :

H. A. PATE

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Public Health Staff :

Medical Officer of Health

W. J. Douglas Cooper, M.B., B.Ch., B.A.O., D.P.H.

Engineer and Surveyor and Chief Sanitary Inspector

H. J. Dimery, A.I.A.S., M.S.I.A., M.R.S.I.

Deputy Sanitary Inspector : T. B. Chaffe, M.S.I.A., M.R.S.I.

Assistant Sanitary Inspector : C. W. R. Fisher, M.S.I.A., M.R.S.I.

Pest Officer : R. W. Baldrey (to October, 1954)

C. H. Hill (from December, 1954)

Public Health Department Clerk :

Miss M. Strange (to April, 1954).

Miss M. C. Lovell (from April, 1954).

DURSLEY RURAL DISTRICT COUNCIL

Council Offices,

Kingshill,

Dursley, Glos.

ANNUAL REPORT OF THE MEDICAL OFFICER OF HEALTH FOR THE YEAR ENDING 31st DECEMBER, 1954

Mr. Chairman, Ladies and Gentlemen,

I beg to present my Eighth Annual Report for this District as required under the Sanitary Officers (Outside London) Regulations, 1935, and as directed by the Minister of Health in his Circular 28/54 on the 15th December, 1954, and Circular 1/54 dated 12th January, 1954.

The Annual Report of the Medical Officer of Health is usually a dull affair to read, due principally to the number of tables and statistics which have to be given each year. However, it must be gratifying to Councillors of this District to know that the Death Rate of the Area has fallen again to the low figure of 9.90 per 1,000 mid-year population. The provisional figure for England and Wales, as a whole, is 11.3. Unfortunately, the Birth Rate does not rise accordingly and it has again dropped this year to 14.94 as compared with that for England and Wales which is 15.2.

The Infant Mortality Rate is indeed a very satisfying figure at 11.76 as compared with that for England and Wales which is 26. This figure is based on the Death Rate during the first year of life and so the low figure in the District throws great credit on the General Practitioners, Health Visitors, Nurses, Hospitals and Child Welfare Centres.

This has been a very good year also in relation to the incidence of Infectious Disease. During 1953 there were 348 cases notified by General Practitioners while this year the total was only 110. There was no major epidemic of any kind and the only serious matters dealt with was one case of Paralytic Poliomyelitis and a small epidemic of Sonne Dysentery in the Parish of Slimbridge. During this, 13 cases were notified by the doctors but there were many more undiagnosed as Dysentery and labelled Diarrhoea or Enteritis.

There has been some slight improvement in the quantity of water available to the District. This is due to the extra water obtained from the new Adit at Millend and from a supplementary

supply taken of the West Gloucestershire Water Company's scheme at Alderley. The latter supplies the village of Kingswood from a small reservoir constructed at Wortley and thus to some extent relieves the supply to the upper parts of the town of Wotton-under-Edge.

All this of course, is only of temporary relief as the storage is still very inadequate and the demand grows daily for new houses, industry, improvement of old property and farmsteads.

In my opinion, it is imperative that the Comprehensive Scheme prepared by the Consulting Engineers is got on with as quickly as possible, otherwise one day soon a very serious water shortage is going to take place in this District.

In relation to Sewerage Schemes, I mentioned in my Annual Report for 1953 that I was pleased the Uley, Coaley and Extension to Dursley Works would start during 1954. Unfortunately, this has not materialised due to prolonged negotiations with local Industrial Firms and difficulties with the Ministry concerning the extent of the Scheme.

This has been a great source of disappointment to me as Medical Officer of Health because of the large number of nuisances which exist in the two villages concerned. It is to be hoped that the whole Scheme will be started during 1955.

In relation to the other end of the District, a Scheme has been prepared for the town of Wotton-under-Edge and the village of Kingswood.

A progressive step has been taken by the Council in negotiations which have taken place with the Thornbury Rural District Council in relation to a joint scheme with a common out-fall works to serve the Wotton district and Charfield which is situated in the Thornbury Area. It is to be hoped that the Ministry will look favourably on this scheme to serve two Areas where many public health nuisances exist.

The Council have continued to make progress during the year in Housing. 87 families have been re-housed and it is fair to comment that the majority of the cases of dire need have now been re-housed or will be during the coming year. However, the Council have still a big problem in front of them in relation to housing young married couples, and old people in smaller and cheaper units of accommodation. Besides this problem there exists a large Slum Clearance programme over the next few years. This

has already started by a Representation in relation to a group of properties in the Slad Area of Dursley town.

One could make many other comments in an introduction of this kind but I think these can be made in the course of the report.

It is therefore pleasing to report that some progress has been made during the year and it remains for me to say how indebted I am to the Chairman and Members of the Public Health Committee for their courtesy and encouragement during the year.

I would also like to thank all the Officers of the Public Health Department without whose help this report would be impossible and also the other Officers of the Council.

In conclusion I would like to express my appreciation of the support given to me by the Chairman and Members of the Council.

I am,

Your obedient Servant,

W. J. DOUGLAS COOPER,

Medical Officer of Health.

To the Chairman and Members of
the Dursley Rural District Council.

PART I.

GENERAL REPORT OF THE MEDICAL OFFICER OF HEALTH

1.—SOCIAL CONDITIONS

No important change has taken place in the nature of the chief trades carried out in the District. They are :

- (1) Agriculture and Allied Trades.
- (2) Braid and Loom Elastic and Smallwares.
- (3) Flour Mill.
- (4) Baking.
- (5) General Engineering.
- (6) Electrical Engineering.
- (7) Carpet Manufacturing.
- (8) Cloth Manufacturing.
- (9) Paper Pulping Mills.
- (10) Fibre Box Manufacturers.
- (11) Wood Turnerries.

2.—STATISTICS, 1954

(a) GENERAL STATISTICS.

Area of District	...	...	...	...	26,905 acres.
Population	...	...	...	...	17,070
Number of inhabited properties	...	...	...	...	5,383
Number of inhabitants per property	...	...	...	...	3.171
Rateable Value	...	...	...	...	£76,758
Sum represented by 1d. Rate	...	...	...	...	£301
Number of Council Houses	...	...	...	...	1,230
Number of Requisitioned Houses	...	...	...	...	6
Percentage of Council Houses	...	...	...	...	22.85

Inhabitated Properties

Houses	...	...	...	...	4,982
Farms	...	...	...	...	169
Houses and Shops	...	...	...	...	166
Public Houses	...	...	...	...	50
Caravans	...	...	...	...	16

Total :	5,383
---------	-------

Percentage of population served by Main Water : 95 %
 Percentage of population served by Modern Sewers : 73 %
 (includes Council Houses connected to small disposal plants).

Varying Populations of Dursley Rural District

Year	Population
1901	11,636
1911	12,233
1921	12,560

1931	...	...	...	...	...	13,217
1937	...	...	...	...	...	14,400
1938	...	...	...	...	...	14,600
1939	...	...	...	...	...	16,122
1946	...	...	...	...	...	16,220
1947	...	...	...	...	...	16,290
1948	...	...	...	...	...	16,610
1949	...	...	...	...	...	16,870
1950	...	...	...	...	...	17,080
1951	...	...	...	...	...	16,985
1952	...	...	...	...	...	17,020
1953	...	...	...	...	...	17,050
1954	...	...	...	...	...	17,070

(b) EXTRACTS FROM VITAL STATISTICS :

Live Births :

				M.	F.	Total
Legitimate	...	...	...	118	128	246
Illegitimate	...	...	...	5	4	9
Total :				123	132	255

Percentage of Boys to Girls born : 48.2 : 51.8

Crude Birth Rate : 14.94 per 1,000 estimated Mid-year Home Population.

Birth Rate, England and Wales : 15.2 per 1,000 estimated Mid-year Home Population.

Comparability Factor for Birth in this Area : 1.07

Therefore Corrected Birth Rate : 14.94 x 1.07

15.98 per 1,000

Still Births :

				M.	F.	Total
Legitimate	...	...	...	2	3	5
Illegitimate	...	...	...	1	—	1
Total :				3	3	6

Still Birth Rate per 1,000 estimated Mid-year Total Population : 0.35

Still Birth Rate, England and Wales per 1,000 estimated Mid-year Total Population : 0.34

Still Births (per 1,000 Total Live & Still Births) : 22.6

Still Births, England and Wales (per 1,000 Total Live and Still Births) : 24.0

Deaths :

Number of Deaths registered in Dursley

Rural District 169

86 of these were Males and 83 Females.

The average age of Male Deaths in the

District during the year was ... 69.38 years

The average age of Female Deaths in the
 District during the year was ... 70.20 years
 Average Age of all Deaths during the year 69.90 years
 Death Rate for England and Wales : 11.3 per 1,000
 Home Population
 Crude Death Rate in Dursley Rural District : 9.90 per
 1,000 estimated Mid-year Home Population.
 Comparability Factor for Deaths in this Area: 0.96
 Therefore Corrected Death Rate : 0.96 x 9.90
 9.50 per 1,000

Deaths in Parishes

Parish	Deaths took place in the Parish	Death took place in hospital, or while temporarily residing outside the Parish	Total
Wotton-under-Edge ...	33	9	42
Cam	16	11	27
Dursley	36	16	52
Coaley	4	1	5
North Nibley	7	2	9
Kingswood	5	2	7
Stinchcombe	5	1	6
Slimbridge	5	3	8
Uley & Owlpen	9	2	11
Nymphsfield	1	1	2
Totals :	121	48	169

Deaths in Hospitals

Delancey Hospital, Cheltenham	2
Berkeley Hospital	9
Snowdon Road Hospital, Bristol	2
Royal Infirmary, Gloucester	12
Tetbury District Hospital	2
Southmead Hospital, Bristol	4
Cossham Memorial Hospital, Bristol	1
City General, Gloucester	4
Alexandra Hospital, Barnstaple	1
Stroud General	2
Frenchay Hospital, Bristol	4
Ham Green Hospital, Bristol	1
Standish House Hospital	1
Total :	45

Percentage of Deaths taking place in Hospital : 27%

Months of the Year in which Deaths took place

Month				Deaths that occurred within the district	Deaths that occurred in hospital or while temporarily resident outside the area.	Total
January	...	...	...	11	3	14
February	...	...	...	17	2	19
March	...	...	...	15	4	19
April	...	...	...	8	5	13
May	...	...	...	7	7	14
June	...	...	...	7	8	15
July	...	...	...	10	5	15
August	...	...	...	7	3	10
September	...	...	...	10	3	13
October	...	...	...	3	1	4
November	...	...	...	14	2	16
December	...	...	...	12	5	17
Totals :				121	48	169

Longevity

Age at Death.					
0 — 1 year	...	...	...	...	3
1 — 10 years	...	...	...	...	1
10 — 20 years	...	...	...	...	0
20 — 30 years	...	...	...	...	0
30 — 40 years	...	...	...	...	0
40 — 50 years	...	...	...	...	6
50 — 60 years	...	...	...	...	25
60 — 70 years	...	...	...	...	33
70 — 80 years	...	...	...	...	52
80 — 90 years	...	...	...	...	44
90 — 100 years	...	...	...	...	5
Total :					169

Two Males and three Females lived to over 90 years of age, and the oldest death during the year was a male of 94 years.

Number of Women dying in, or in consequence of, Childbirth

From Sepsis	...	...	...	...	Nil
From Other Causes	...	...	...	...	Nil
Rate per 1,000 Total (live and still births)					Nil

For the eighth year in succession I am pleased to give the above report, which speaks highly of the care given to the mothers by the local midwives, general practitioners, hospitals and nursing homes.

Deaths of Infants under 1 year

				Male	Female	Total
Legitimate	—	2	2
Illegitimate	—	1	1

Causes of Death of Children under 1 Year

Sex	Age	Cause of Death
Female	1 month	Hydrocephalus and Intracranial Haemorrhage.
Female	1 month	Cerebral Thrombosis.
Female	2 hours	Prematurity (27 weeks).

Two of these Neo-Natal deaths occurred in hospital, and the other at home.

Infant Mortality Rate

Death Rate of Infants under 1 year in England and Wales per 1,000 related live births	...	...	...	...	...	26.0
Death Rate of Infants under 1 year in Dursley District per 1,000 live births	...	...	...	...	...	11.76
Deaths of legitimate infants per 1,000 legitimate live births	...	...	...	...	...	7.84
Deaths of illegitimate infants per 1,000 illegitimate live births	...	...	...	...	...	111

The Most Common Causes of Death in the District are :

Heart Disease	...	...	...	...	58 cases
Cancer	...	...	...	...	31 cases
Vascular Lesions of Nervous System	...	...	...	...	30 cases
Other defined and ill-defined diseases	...	...	...	...	13 cases
Pneumonia	...	...	...	...	12 cases

COMPARABLE TABLES FOR THE PAST FIVE YEARS
Birth Rates, Dursley Rural District.

1950	...	...	...	15.6	1950 England & Wales	15.8
1951	...	...	...	15.79	1951 England & Wales	15.5
1952	...	...	...	14.78	1952 England & Wales	15.3
1953	...	...	...	15.26	1953 England & Wales	15.5
1954	...	...	...	14.94	1954 England & Wales	15.2

Death Rates, Dursley Rural District.

1950	...	...	...	11.4	1950 England & Wales	11.6
1951	...	...	...	10.34	1951 England & Wales	12.5
1952	...	...	...	9.02	1952 England & Wales	11.3
1953	...	...	...	10.53	1953 England & Wales	11.4
1954	...	...	...	9.90	1954 England & Wales	11.3

Average Age of Deaths, Dursley Rural District.

1950	...	...	64.88	years
1951	...	...	68.05	years
1952	...	...	66.27	years
1953	...	...	66.72	years
1954	...	...	69.90	years

Infant Mortality Rates, Dursley Rural District.

1950	...	...	...	29.9	1950 England & Wales	29.8
1951	...	...	...	16.2	1951 England & Wales	29.6
1952	...	...	...	25.7	1952 England & Wales	27.6
1953	...	...	...	16.59	1953 England & Wales	26.8
1954	...	...	...	11.76	1954 England & Wales	26.0

Marriages :

Number of Marriages taking place in Churches during 1954	...	...	...	...	...	49
Number of Marriages taking place in Chapels and Roman Catholic Churches	...	...	...	...	...	24
Total :						73
Marriage rate per 1,000 mid-year population	...	...	...	...	...	4.27
Marriage rate for England and Wales	...	...	...	...	...	15.4

Authority :

DURSLEY R.D.C.

CAUSES OF DEATHS.

Year 1954

Causes of Deaths		Under 1 year	1—	5—	15—	25—	45—	65—	75—	Total
1.	Tuberculosis of the respiratory system	1					2			2
2.	Other forms of Tuberculosis ..	2								
3.	Syphilitic disease	3								
4.	Diphtheria	4								
5.	Whooping Cough	5								
6.	Meningococcal infections ..	6		1						1
7.	Acute Poliomyelitis	7								
8.	Measles	8								
9.	Other infective and parasitic diseases ..	9								
10.	Malignant neoplasm of stomach ..	10						1	2	3
11.	Malignant neoplasm of lung & bronchus	11					5	1	1	7
12.	Malignant neoplasm of breast ..	12					3			3
13.	Malignant neoplasm of uterus ..	13					1			1
14.	Other malignant & lymphatic neoplasms	14					6	5	6	17
15.	Leukaemia, aleukaemia	15								
16.	Diabetes	16							1	1
17.	Vascular lesions of nervous system ..	17	1				3	8	18	30
18.	Coronary disease, angina	18					4	2	4	10
19.	Hypertension with heart disease ..	19					2	2	1	5
20.	Other heart disease	20					8	11	24	43
21.	Other circulatory disease	21					5		1	6
22.	Influenza	22								
23.	Pneumonia	23					2	1	9	12
24.	Bronchitis	24								
25.	Other diseases of respiratory system ..	25					2	1	1	4
26.	Ulcer of stomach and duodenum ..	26						1		1
27.	Gastritis, enteritis and diarrhoea ..	27								
28.	Nephritis and nephrosis	28					1	1		
29.	Hyperplasia of prostate	29						2		2
30.	Pregnancy, childbirth, abortion ..	30								
31.	Congenital malformations	31	1							1
32.	Other defined and ill-defined diseases	32	1				2	3	7	13
33.	Motor vehicle accidents	33								
34.	All other accidents	34				1		1	3	5
35.	Suicide	35								
36.	Homicide and operations of war ..	36								
TOTAL 169.										

INFECTIOUS DISEASES IN AGE GROUPS, 1954

<i>DISEASE</i>	<i>Under 1 year</i>	<i>1 year</i>	<i>2 years</i>	<i>3 years</i>	<i>4—5 years</i>	<i>6—9 years</i>	<i>10—14 years</i>	<i>15—19 years</i>	<i>20—34 years</i>	<i>35—44 years</i>	<i>45—65 years</i>	<i>Over 65 years</i>	<i>Age unknown</i>	<i>TOTAL</i>
Scarlet Fever				3	8	7	3							21
Diphtheria														--
Puer. Pyrexia									2					2
Pneumonia									1	1	3	1		6
Erysipelas											1			1
OphthalmiaN.														--
Anterior Polio									1					1
Malaria														--
Whooping C.	5	1	4	5	14	6								35
Measles			2		17	4	1		2	1	1			28
Cereb. Sp. F.														—
Typhoid														—
Undulant Fev.											1			1
Dysentery					2	6		1	2		2			13
Aseptic Meningitis					1									1
Food Poisoning							1							1

INFECTIOUS DISEASES IN PARISHES, 1954

Parish	Scarlet Fever	Pneumonia	Whooping Cough	Measles	Puerperal Pyrexia	Aspic Meningitis	Dysentery	Food Poisoning	Anterior Poliomyelitis	Undulant Fever	Erysipelas	Total
Wotton-under-Edge	—	1	5	1	—	—	—	—	—	—	—	7
Cam	10	2	17	13	1	—	—	—	—	—	—	43
Coaley	—	—	—	10	—	—	—	—	—	—	—	10
Dursley	7	1	9	3	—	—	1	1	1	1	1	25
North Nibley	—	—	—	—	—	—	—	—	—	—	—	—
Nympsfield	—	—	2	—	—	—	—	—	—	—	—	—
Kingswood	—	—	2	—	—	1	—	—	—	—	—	2
Slimbridge	1	—	—	—	—	—	8	—	—	—	—	9
Cambridge	—	2	—	—	—	—	4	—	—	—	—	6
Stinchcombe	—	—	—	—	—	—	—	—	—	—	—	—
Uley	3	—	—	1	1	—	—	—	—	—	—	5
TOTAL :	21	6	35	28	2	1	13	1	1	1	1	110

DIPHTHERIA IMMUNISATION STATE IN DURSLEY RURAL DISTRICT, 1954

Age at 31.12.54 <i>i.e.</i> , Born in Year	Under 1 1954	1 1953	2 1952	3 1951	4 1950	5-9 1945—49	10-14 1940—44	Total Under 15
Number Immunised	20	154	208	188	203	1,081	1,133	2,987
Estimated Mid-year Child Population 1954	<div> <div>Children under 5 1,350</div> <div>Children 5—14 2,701</div> <div>4,051</div> </div>							
Percentage immunised in Dursley R.D.	<div> <div>57.2%</div> <div>81.9%</div> <div>73.7%</div> </div>							
Percentage immunised in County	<div> <div>51.9%</div> <div>37.7%</div> <div>42.3%</div> </div>							

DIPHTHERIA IMMUNISATION AND VACCINATION

The following Immunisations and Vaccinations have been carried out within the District during 1954 by General Practitioners and Local Authority Doctors :

No. of Children who completed a full course of primary immunisation.

Under 1 Year	1 Year	2 Years	3 Years	4 Years	5—9 Years	10—14 Years	Total
G.P. 62 (36) L.A. 47	30 (18) 18	6 (4) 10	9 (8) 4	3 (3) 4	3 (2) 13	— 1	113 (71) 97
No. of Children who received a re-inforcing dose.							
G.P. L.A.				1 3	24 292	1 164	26 459

Note.—Figures in brackets denote combined Diphtheria and Whooping Cough injections included in totals.

Vaccination					
Under 1 Year	1 Year	2—4 Years	5—14 Years	15 or over	Total
88	1	4	6	15	114
Re-Vaccination					
Under 1 Year	1 Year	2—4 Years	5—14 Years	15 or over	Total
—	—	1	4	22	27

3.—DEATHS FROM CANCER

As usual I have divided the cancer deaths up into sites of origin, and it is interesting to note that of all the cancer deaths taking place 23% were due to cancer of the Lung or Bronchus.

Cancer of Oesophagus	...	...	2 cases
Cancer of Cervix Uteri	...	...	1 case
Cancer of Breast	...	...	3 cases
Cancer of Colon	...	...	4 cases
Cancer of Pancreas	...	...	3 cases
Cancer of Ovary	...	...	2 cases
Cancer of Brain	...	...	1 case
Cancer of Stomach	...	...	3 cases
Cancer of Bladder	...	...	1 case
Cancer of Lung	...	...	7 cases
Cancer of Prostate	...	...	1 case
Cancer of Liver	...	...	1 case
Myeloid Leukaemia	...	...	1 case
Cancer of Tongue	...	...	1 case
			<hr/>
Total :			31 cases
			<hr/>

There were 31 cases in all as compared with 29 last year—19 of them were males and 12 females.

The average age of all cancer deaths during the year was 66.13 years.

4.—TUBERCULOSIS

Two patients died from tuberculosis during the year—two males aged 52 and 50 respectively.

The number of cases remaining on the Register at the end of the year was 123, showing a decrease of 7 on 1953.

	Male.	Female.	Total.
Pulmonary	53	41	94
Non-pulmonary	15	14	29
<hr/>			
Total :	68	55	123
<hr/>			

Table showing ages of New Cases and In-transfers and Deaths

0 — Age	New Cases and In-Transfers				Deaths			
	Respiratory		Non-Respiratory		Respiratory		Non-Respiratory	
	M.	F.	M.	F.	M.	F.	M.	F.
1 —								
2 —								
15 —		1		1				
25 —	3	3						
35 —	3	1						
45 —	1				2			
55 —	1	1						
65 & upwards								
Age unknown								
Totals:	8	7		1	2			

5.—International Vaccination Certificates

These certificates have to be countersigned by the Medical Officer of Health for the District in which the General Practitioner resides who has carried out the vaccination.

During the year 1954, 38 of these have been stamped and countersigned.

6.—National Assistance Act, 1948 (Section 47). Removal of Persons in need of care and attention to suitable premises.

During the year a number of cases were investigated by myself but it was not found necessary to take compulsory measures under the Act for removal. In each case persuasion worked and the old person was removed to a home or hospital for chronic sick.

7.—Housing Management

I am indebted to the Housing Manager for the following report on housing conditions in the District.

During the year 1954, 87 families were re-housed by the Council in accordance with the system of priorities adopted to assess the need of applicants on the Housing List. The cases so assessed are, in accordance with the Council's customary procedure, investigated by a Sub-committee of the Letting Committee, in order to verify the home conditions of applicants, degrees of illness, overcrowding, and types of insanitary dwellings. During the year, 12 cases were applicants who were required to leave their homes as a result of their landlords obtaining Court Orders for possession of their accommodation. 7 applicants who were suffering from Tuberculosis, and other applications where serious illness existed have been re-housed, and, by close co-operation with the Chief Sanitary Inspector's Department, appropriate action was taken in those cases where housing applicants occupied sub-standard dwellings.

The "Transfer of Tenancy" Scheme, both regarding exchanges and transfers of tenancy on the Council's own Estates, and by co-operation with other Local Authorities, has maintained a high level, and full use has been made of this system whereby tenants are enabled to obtain the tenancy of a Council House at a rent suitable to their income.

At the present time there are about 400 applicants on the Housing List and a further 47 applications for Old People's accommodation, and it would be true to say that most of those cases of dire need formerly forming a high percentage in the past requiring urgent attention have been considerably reduced.

Regarding repairs to Council Houses, the Council is faced with a serious situation. The maintenance staff at the present time is too small, and efforts are being made to obtain the services of skilled building operatives in order to implement, together with first aid practical repairs to houses as now being

carried out, a regular system of inspection and repair at every Council Estate on a 3-yearly rota basis. Due to the attraction of high rates of pay offered by Contractors, however, especially in larger towns in the County, the services of skilled building operatives are extremely difficult to obtain and, at the present time, the Council's programme of repairs to Council houses is very much delayed, due to the above factors.

8.—METEOROLOGICAL REPORT

I have pleasure in submitting a meteorological report for 1954, and would like to express my thanks to Mr. Hughes, of the Gazette Office, for providing the following information :

Rainfall in inches during the months of the year

January	...	...	...	...	2.09 ins. in 15 days
February		...	...	...	3.16 ins. in 18 days
March	...	...	...	...	3.29 ins. in 19 days
April	...	...	...	...	0.39 ins. in 3 days
May	...	...	...	...	2.59 ins. in 17 days
June	...	...	...	...	5.24 ins. in 15 days
July	...	...	...	...	3.52 ins. in 16 days
August	...	...	...	...	4.16 ins. in 19 days
September		...	...	...	4.99 ins. in 22 days
October		...	...	...	3.83 ins. in 22 days
November		...	...	...	6.49 ins. in 22 days
December		...	...	...	2.81 ins. in 20 days
					<hr/> 42.56 ins. in 208 days <hr/>

Wettest Day : June 5th — 1.66 inches.
 Hottest Day : May 12th — 89 deg. F.
 Coldest Night : Feb. 1st—7 deg. F.
 Driest Month : April.
 Prevailing Wind : South West.

Mean of Temperature

					Minimum	Maximum
January	...	...	...	...	31.8	43.3
February	...	...	...	...	31.9	46.4
March	...	...	...	...	36.9	52.0
April	...	...	...	...	35.0	63.4
May	...	...	...	...	44.7	67.4
June	...	...	...	...	50.0	69.8
July	...	...	...	...	51.6	68.4
August	...	...	...	...	52.0	70.8
September		...	...	...	48.9	66.4
October	...	...	...	...	46.8	61.3
November	...	...	...	...	39.6	51.7
December	...	...	...	...	38.6	46.7
Mean of Minimum for year :					42.31	
Mean of Maximum for year :					58.96	
Average Temperature for year :					50.63.	

9.—BRITISH RED CROSS PHYSIOTHERAPY CLINIC

I am indebted to the Physiotherapist, Mr. G. C. Brown, in charge of the above clinic in Dursley, for the report submitted below concerning the work carried out during 1954.

Report of the Physiotherapist

The number of treatments given at the Physiotherapy Clinic during 1954 greatly exceeded those of any previous year. During 1954, 491 patients attended 6,518 times and received 14,140 treatments. There were 445 fresh cases, an increase of 107, and 46 remained from 1953.

Of the total number, 62 were private patients sent for treatment by their own Doctors, the remainder were treated under the National Health Scheme and sent to the Clinic by the Specialists operating at Hospitals in Gloucester, Bristol, Bath, Southmead, Berkeley, Winford, Stroud and the Dursley Children's Orthopaedic Clinic.

Analysis of the conditions treated show that the vertebral disc and joint derangement conditions head the list, followed by Arthritic conditions and fractures of all kinds in that order.

A point worthy of note to the professional observer is the increasing use of Traction, either sustained or intermittent, in the treatment of intervertebral disc lesions and joint derangements. Combined with other appropriate forms of physiotherapy, the results are proving most encouraging, and in isolated cases quite dramatic.

As in previous years we have worked in close co-operation with the Ambulance and Hospital Car Service, thereby making treatment available to many patients resident over a wide area, who could not use the normal public transport services, and saving them the long, tedious and expensive journeys to the Main Hospitals.

Analysis of Conditions

Arthritic conditions	Nos.	Virus Infection	
Rheumatoid Arthritis ...	17	Ant. Poliomyelitis	1
Osteo-arthritis	58	Paresis of Serratus	
Cup-arthroplasty	3	(Magnus)	1
Still's Disease	1		
Myositis (Seq. Rheum.		Knee Conditions	
Fever)	1	Internal Derangement ...	14
		Menisectomy	4
Spinal conditions			
Cervical Disc Lesions ...	2	Hemiplegia	1
Cervical Joint		Hemiplegia (Seq.	
Derangement	9	Cerebral Tumour) ...	1
Brachial Neuritis	4		
Dorsal Disc Lesions	1	Skin Conditions	
Postural Backache	3	Acne Vulgaris	1
Lumbar Disc Lesions ...	3	Sebaceous Cysts	1
Lumbar Joint		Multiple Boils	2
Derangements	20	Herpes Zoster	4
Lumbago — Low Back			

pain	27
Sciatica Neuritis	3
Sacro-iliac Strain	8
Coccydynia	3

Tenosynovitis	4
Tendo vaginitis	1
Tennis Elbow	5
Torticollis	1
Fibrositis	31

Fractures	79
Traumatic amputation ...	3
Injuries	29
Injuries Industrial	7

Lung Conditions	
Emphysema	3
Bronchitis	2
Asthma	2

Foot Conditions	Nos.
Pes Planus	} 31
Pes Cavus	
Pes Valgus	
Hallux Valgus	
Hallux Ridigus	

Bone Conditions	
Kohlers Disease	1
T.B. Ankle	1
Periostitis of Jaw	1
Exostosis Calcaneum ...	1
Kyphosis	3

Shoulder Conditions	
Frozen Shoulder	10
Sterno-clavicular	} 1
sub-luxation	
Capsulitis	2
Acroparaesthesia	} 1
(Sub - Deltoid Bursitis)	
(Sub-Acromial Bursitis)	6
Rotator cuff Lesion	2
Dislocation	1
Supraspinatus tendinitis	3

E.N.T.	
Sinusitis	} 7
Eustachian obstruction	
Otitis Media	

Genito-Urinary	Nos.
Prolapse Uterus	1
Parametritis	1
Cervicitis	2

General Debility	3
Varicose Ulcers	2
Bell's Palsy	1
Ateriosclerosis	1
Parkinson's Disease ...	1
Disseminated Sclerosis ...	1

10.—MILK

Bacteriological Examination

A total of fifty raw milk samples were taken during the year for bacteriological examination; thirty-eight results were satisfactory and twelve unsatisfactory. The County Milk Production Officer was informed of all results in order that she may follow up the-unsatisfactory ones at the farms concerned.

Twenty pasteurized milk samples were taken during the year and three proved unsatisfactory. The three unsatisfactory samples were obtained from the same dairy and the cause was found to be a faulty thermometer, which was not registering correctly. The County Health Department is informed of all milk sample results.

It is interesting to note that the consumption of pasteurized milk in the District has increased during the year. It is regretted,

however, that some of the milk has to be carried long distances from large Pasteurizing Firms outside the District, and this has its disadvantages. The smaller distributor is then obliged to collect his milk from the Pasteurizer the day before it is delivered to the customer, and he is not equipped with a refrigerated room in which to store it during the evening and night. This results in pasteurized milk being kept longer, and often at an unfavourable temperature. It is then delivered and so often, where both husband and wife go out to work, the milk stands on the doorstep in the heat of the sun for the greater part of the day. I hope the day will arrive when pasteurized milk will be kept in a refrigerated room before delivery, be delivered in a refrigerated van, and that householders will provide an insulated container in which the milk bottle can be placed at delivery.

Biological Examination

A total of sixty-seven results on biological samples of milk were received during the year. Seven of these samples were positive. The milk from four farms was found to be infected with brucella abortus and the milk from one farm with tubercle bacilli. In each case steps were taken to ensure that the milk supply concerned was efficiently heat treated during the period the milk was infected. The Divisional Veterinary Officer was informed immediately positive samples were received.

It is interesting to note that the farm supply infected with tubercle bacilli was being sold to a distributor who retailed the milk in the Dursley and Cam Parishes, and through the result of the biological sample the source of infection was dealt with as quickly as possible. Had the sample not been taken this milk would probably have continued to be delivered for some long time.

One cow from the herd concerned was slaughtered under a Tuberculosis Order and found to be infected with tuberculosis. A second cow from the same herd was sold voluntarily for knacker meat and could possibly have also been infected.

General

I am pleased to report that both the County Milk Production Officer and the Divisional Veterinary Officer have continued to give us every co-operation.

11.—ICE-CREAM

Bacteriological Examination

During the year thirty-five samples of ice-cream were taken and the results were as follows :

Ministry of Health				
Bacteriological Grade ...	1	2	3	4
Number of Samples	17	9	5	4
Percentage	48.57%	25.71%	14.29%	11.43%

The plate count and examination for bacillus coli were also carried out on each sample and the report of the Bacteriologist was satisfactory except on three samples.

Chemical Analysis

Three samples of ice-cream were taken during the year for chemical analysis, and all were satisfactory.

12.—ICE LOLLIES

Three samples of ice-lolly were taken for bacteriological examination and each result was satisfactory.

13.—LABORATORY SERVICES

We have continued to use the services of the Public Analyst and Department of Preventive Medicine at Canynge Hall, Bristol, and I am happy to report that we receive every co-operation from the staff of both Departments.

14.—FOOD HYGIENE

The Sanitary Inspectors have carried out routine visits to premises where food is prepared and sold but their visits have not been as frequent as one would wish. Much work still remains to be done in the field of Food Hygiene although I feel that the General Public as a whole have become more conscious of the need for food hygiene.

15.—HOUSING

During the year it was again found necessary to serve many informal notices under the Public Health Act, 1936, on property owners in order to have essential repairs carried out to sub-standard properties.

It was, however, found possible to carry out more formal action during the year under Section 11 of the Housing Act, 1936, and Section 10 of the Local Government (Miscellaneous Provisions) Act, 1953. Twenty-one notices were served under the above mentioned Acts. In eleven cases the owners concerned submitted a scheme to render the houses fit for human habitation and in seven cases the Council accepted the scheme submitted. Two houses have been closed during the year in pursuance of an undertaking given by the owner under Section 11 of the Housing Act, 1936, and nine houses have been closed under the provisions of Section 10 of the Miscellaneous Provisions Act, 1953. Two houses have been demolished as a result of formal action under Section 11 of the Housing Act, 1936, and others are in the course of being demolished. The owner of three cottages who submitted a scheme which was not accepted by the Council appealed against each of the Demolition Orders served, and the appeals are to be heard at the County Court, Dursley.

**Action under Section 11, Housing Act, 1936, and Section 10,
Local Government (Miscellaneous Provisions) Act, 1953.
Return for the Year 1954**

Number of houses in respect of which notices were served under Section 11, Housing Act, 1936	11
Number of houses in respect of which schemes were submitted	11
Number of schemes accepted	7
Number of houses demolished	2
Number of representations made in respect of closing orders	11
Number of closing orders made	9
Number of houses the defects of which were remedied without the making of a closing order	2
The number of houses which after the making of closing orders were made fit	Nil

General character of defects found in the unfit houses :

- (1) Rising dampness.
- (2) Damp flagstone floors.
- (3) Low ceiling heights.
- (4) Insufficient window areas.
- (5) Lack of amenities; food store, sink, drainage, water supply.
- (6) Roofs, chimneys and external walls in bad repair.

A close liaison between the Public Health Department and the Housing Manager has continued and has ensured that the appropriate action has been taken when a family has been re-housed by the Council from sub-standard property.

An Official Representation was made to the Council during the latter half of the year that they should deal with four areas in the town of Dursley as clearance areas. These areas are at Boulton Lane and the Slad, Dursley; they are adjoining areas and comprise in all twenty-seven houses. The Council decided to declare the four areas Clearance Areas within the meaning of the Housing Act, 1936.

16.—ATMOSPHERIC POLLUTION

At the end of the year the important question of Atmospheric Pollution was discussed with Mr. E. G. Whittle, the Public Analyst, and with his co-operation we hope to set up two sets of apparatus comprising a deposit gauze assembly, and a lead peroxide candle. These will be set up in Dursley and monthly figures obtained.

17.—SLAUGHTER OF ANIMALS

Before the de-control of meat on the 3rd July, 1954, all the meat for this District was slaughtered at Ebley Abattoir in the Stroud Urban District. Six slaughterhouses were licensed in this District but only an occasional slaughter of a casualty animal took place.

At the time of the de-control of meat a report was made to the Council in connection with slaughterhouses and the report mentioned that the Ebley Abattoir was capable of continuing to slaughter all the meat for this District. The report also mentioned that if the Ebley Abattoir was recognised as a Central Slaughterhouse for this District, the slaughterhouses in the District would not need to be re-licensed. The Council debated this matter at long length and decided that providing the slaughterhouses in the District were brought up to a satisfactory standard they should be re-licensed at the end of the year if an application was made.

At two of the licensed slaughterhouses slaughtering took place regularly after the 3rd July, 1954, and at one the occasional slaughter of an animal took place. At the end of the year applications were received for the renewal of the licence in respect of each of the six slaughterhouses in the District. The owners of the slaughterhouses were informed of the works which would have to be carried out in order to bring them up to a satisfactory standard. To date only two of the licences have been renewed and those are in respect of a slaughterhouse at The Broadwell, Dursley, and at Chapel Street, Cam; these are the two premises at which regular slaughtering has taken place since the de-control of meat.

The following animals have been slaughtered in the District since the de-control of meat :

Sheep and Lambs	.....	421
Calves	.....	22
Cattle	.....	63
Pigs	.....	22
		<hr/>
Total :		528
		<hr/>

The following meat and offal was condemned:

Cattle

Organ or part	Reason for condemnation	Weight
One Ox carcase and organs	Tuberculosis	767 lbs.
One Ox Head	Tuberculosis	18 lbs.
Three Ox Lungs	Tuberculosis	24 lbs.
One Ox Skirt	Tuberculosis	3 lbs.
Three Ox Livers	Tuberculosis	36 lbs.
Two Ox Mesenteries	Tuberculosis	8 lbs.
Four and a part Ox Livers	Abscesses	60 lbs.
One Ox Liver	Cirrhosis	14 lbs.
		<hr/>
		930 lbs.
		<hr/>

Sheep and Lambs

Organ or part	Reason for condemnation	Weight
Four Sheep Livers	Flukes	10 lbs.
Two Legs of Lamb	Injury	16 lbs.
		<hr/> 26 lbs. <hr/>

Pigs

Leg of Pork	Injury	27 lbs.
Pig's Pluck	Pneumonia	5 lbs.
		<hr/> 32 lbs. <hr/>

Calves

Calf Carcase	Navel Ill	30 lbs.
Calf's head, lungs and liver	Tuberculosis	6 lbs.
		<hr/> 36 lbs. <hr/>

Total Weight of Meat condemned: 1014 lbs.

Percentage of Cattle killed affected with Generalized

Tuberculosis : 1.43

Percentage of Cattle killed affected with Localized

Tuberculosis : 6.35

The following meat and offal was inspected at butchers' shops in the area and voluntarily surrendered as unfit for human consumption :

	Reason for condemnation	Weight
Home Killed Beef	Bone Taint	52 lbs.
Home Killed Beef	Severe Bruising	19 lbs.
Home Killed Mutton	Severe Bruising	9 lbs.
Imported Beef	Dirty Condition	38 lbs.
Imported Ox Livers	Unmarketable owing to extreme black discolouration	18 lbs.
Imported Lambs Livers	Unmarketable owing to extreme black discolouration	4 $\frac{1}{4}$ lbs.
		<hr/> Total 140 $\frac{1}{4}$ lbs. <hr/>

18.—FOOD INSPECTION

During the year the following foodstuffs were inspected and voluntarily surrendered as unfit for human consumption :

Tinned Meat	28 tins	82 lbs.	12 ozs.
Tinned Fish	3 tins	8 lbs.	8 ozs.
Tinned Fruit	110 tins	134 lbs.	12 ozs.
Tinned Vegetables	130 tins	134 lbs.	9 ozs.
Tinned Milk	38 tins	28 lbs.	8 ozs.
Miscellaneous Foodstuffs		29 lbs.	
Total :		418 lbs.	1 oz.

19.—MOVEABLE DWELLINGS

During the year 16 new applications were received for licences to station and use moveable dwellings within the District, one application was refused. At the end of the year there were 32 moveable dwellings licensed within the District.

The one licensed site at Slimbridge was again used during the year, mostly by persons staying only for one or two nights.

17. FACTORIES ACT, 1937 and 1948.

1.—Inspections for purposes of provisions as to health.

PREMISES	Number on Register	Number of		
		Inspections	Written Notices	Occupiers Prosecuted
(1) Factories in which Sections 1, 2, 3, 4 & 6 are to be enforced by Local Authorities	6	1	—	—
(2) Factories not included in (1) in which Section 7 is enforced by the Local Authority	57	18	14	—
(3) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises)	5	3	—	—
TOTAL	68	22	14	Nil.

2.—Cases in which Defects were found.

PARTICULARS	Found	No. of cases in which defects were found		Prosecutions	
		Remedied	Referred		
			To H.M. Inspector		By H.M. Inspector
Want of Cleanliness	6	6	—	—	—
Overcrowding	—	—	—	—	—
Unreasonable Temperature	—	—	—	—	—
Inadequate Ventilation	—	—	—	—	—
Ineffective Drainage of Floors	—	—	—	—	—
Sanitary Conveniences:					
(a) Insufficient	—	—	—	—	—
(b) Unsuitable or defective	8	—	—	—	—
(c) Not separate for sexes	—	—	—	—	—
Other Offences	—	—	—	—	—
TOTAL	14	6	—	—	—

Outwork Sections 110 and 111

Nature of Work

Wearing Apparel—Making etc. Number of outworkers in list required by Section 110-5.

21.—PUBLIC CLEANSING

In early February the tipping of refuse at Synwell Refuse Tip, Wotton-under-Edge, was completed. Soon after the completion of tipping the surplus earth on the site was levelled and topsoil from a higher section of the field which had not been tipped on was dozed over the remaining section of the Tip. This operation was carried out by the employment of a large bulldozer. On completion of the levelling, the field was officially handed back to the Synwell Playing Field Association.

Great difficulty was experienced in finding another suitable Refuse Tip, but eventually we were able to find a parcel of land in the Cam Parish. This land is part of Woodend Green Farm, adjoining the Bristol/Gloucester main road, and is owned by Mr. Watkins. The land is low lying and much of it is waterlogged. It has been necessary to pipe a small stream across the field and to lay a short access road.

The Bristol 20 Angledozer and Conder 11½ yard Hydraulic Scraper have continued in use during the year. Controlled tipping is carried out and no nuisances have arisen. Being such a poor summer no infestations of flies occurred.

The same collection vehicles that were used last year have continued in use.

22.—SALVAGE

Salvage is collected at the same time as refuse and the following quantities of salvage materials were collected during the year. All waste paper is baled, and is used at a local Mill; its value increased in February to £5 15s. 0d. per ton.

	Tons.	Cwts.	Qrs.	Lbs.	£	s.	d.
Waste Paper	75	16	1	—	430	9	0
Scrap Iron	10	3	3	—	35	10	6
Mixed Metals (Non-ferrous) ...		5	3	2	17	5	0
Rags	1	5	0	20	18	15	0
Rubber		5	1	14		12	6
String			2	1		5	0
Total:	87	16	3	9	502	17	0

23.—STORAGE OF PETROLEUM

Routine visits were made to petroleum spirit installations and stores during the year to ensure that they comply with the conditions of licence. Much work was carried out during 1952 in connection with this matter and during this year it has only been found necessary to have tanks and pipelines at new installations tested.

24.—PREVENTION OF DAMAGE BY PESTS ACT, 1949

During the year the following work has been carried out by the Pests Officer under the provisions of the above Act.

Number of inspections of Private Premises (including Council Houses)	1123
Number of inspections of Business Premises	196
Number of inspections of Farms	32
Number of inspections of Council Property (excluding Council Houses)	35
Number of treatments carried out at Private Premises	133
Number of treatments carried out at Business Premises	172
Number of treatments carried out at Council Properties	6

During the year a test bait of the Wotton, Dursley and Cam Sewer Systems was carried out. A minor infestation was found at Sym Lane, Wotton-under-Edge, and at Woodmancote, Dursley; both infestations were treated.

Routine inspections of the following areas were carried out during the year :

Potters Pond, Wotton-under-Edge,
The Patch, Slimbridge,
The Quarry, Cam, and
Ashmead Green, Cam.

Having qualified as a Sanitary Inspector, Mr. R. W. Baldrey, the Council's Rodent Officer, left at the end of September to take up an appointment with the Coventry City Council. Mr. Baldrey was succeeded by Mr. C. H. Hill, who took up his appointment towards the end of December. During the time the Council were without a Rodent Officer the Sanitary Inspectors were obliged to carry out all the urgent rodent control work.

25.—SUMMARY OF SANITARY INSPECTORS' VISITS AND NOTICES SERVED DURING 1954

GENERAL SANITATION

						No. of Inspections or Visits
Water Samples	...	...	...	...	...	50
Water Supply	...	...	...	...	...	16
Drainage	...	...	...	...	...	342
Stables and Piggeries	...	...	...	...	...	9
Fried Fish Shops	...	...	...	...	...	4
Tents, Vans and Sheds	...	...	...	...	...	48
Factories	...	...	...	...	...	19
Workplaces	...	...	...	...	...	3
Bakehouses	...	...	...	...	...	9
Public Conveniences	...	...	...	...	...	81
Theatres and Places of Entertainment	...	...	...	...	...	5
Refuse Collection	...	...	...	...	...	120
Refuse Disposal	...	...	...	...	...	211
Rats and Mice	...	...	...	...	...	132
Atmospheric Pollution	...	...	...	...	...	13
Schools	...	...	...	...	...	1
Shops	...	...	...	...	...	33
Miscellaneous Sanitary Visits	...	...	...	...	...	157
Slaughterhouses	...	...	...	...	...	34
Petroleum Consolidation Act	...	...	...	...	...	73
Sewage Disposal	...	...	...	...	...	81
Licensed Premises	...	...	...	...	...	18
Disposal of Night Soil	...	...	...	...	...	2
Mortuary	...	...	...	...	...	25

HOUSING

Under Public Health Acts

No. of houses inspected	...	...	...	...	49
Visits paid to above Houses	...	...	...	...	345

Under Housing Acts

No. of houses inspected	43
Visits paid to above Houses	130

Overcrowding

No. of houses inspected	9
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Verminous Premises

No. of Houses inspected	2
Miscellaneous Housing Visits	126

INFECTIOUS DISEASES

Inquiries in Cases of I.D.	...	...	...	...	113
Visits re Disinfection	...	...	...	...	12
Miscellaneous Infectious Disease Visits	...	...	...	...	73
Disinfestation	...	...	...	...	10
Infant Mortality and Morbidity Survey	...	...	...	...	10

MEAT AND FOOD INSPECTION

Visits to Slaughterhouses	...	...	...	...	136
Visits to Butchers	...	...	...	...	10
Visits to Fishmongers and Poulterers	...	...	...	...	3
Visits to Grocers	...	...	...	...	16
Visits to Dairies and Milkshops	...	...	...	...	65
Visits to Ice-cream Premises	...	...	...	...	28
Visits to Restaurants	...	...	...	...	14
Visits to Mobile Snack Bars and Vehicles	...	...	...	...	4
Visits to Greengrocers and Fruiterers	...	...	...	...	1
Visits in connection with Sampling :					

Milk :

Bacteriological and Biological	...	...	...	...	53
Pasteurised	...	...	...	...	16
Ice-cream	...	...	...	...	16
Ice-lollies	...	...	...	...	3

NOTICES SERVED

No. of Informal Notices served	...	...	...	...	87
No. of Informal Notices complied with	...	...	...	...	59
No. of Statutory Notices served	...	...	...	...	3
No. of Statutory Notices complied with	...	...	...	...	2

PART II.

REPORT OF THE ENGINEER AND SURVEYOR AND CHIEF SANITARY INSPECTOR.

The Staff in the Department of the Engineer and Surveyor consists of:

Deputy Engineer and Surveyor	N. R. W. Lee
Architectural Assistant	R. Edwards
Technical Assistants	W. R. Saunders to 31/8/54. R. L. Herrick T. Hartley from 6/9/54. K. Underwood from 1/4/54.
Articled Pupil	J. K. Frapwell to 28/2/54.
General and Costing Clerk	A. W. Sutton
Clerk/Typist	Mrs. J. M. McCorkell

Mr. Chairman, Ladies and Gentlemen,

In presenting my 8th annual report, for the year ending the 31st December, 1954, I can say that very good progress has been made in all branches of work undertaken by the Department. Some inconvenience was caused through resignation of staff and replacing.

The provision of New Houses still remains one of the most important functions of the Local Authority but there is no doubt Government policy in relation to housing has undergone a change. There appears to be a reduction in the number of new dwellings Local Authorities are permitted to erect in any one year. To offset this, encouragement is being given to private development through easier mortgage terms and by making fuller use of the Small Dwellings Acquisition Acts. Greater emphasis is placed on the preservation of older houses and bringing them up to more modern standards (a) by means of grants given under the provision of the Housing Act Improvement Grants 1949, (b) by Local Authorities acquiring properties for the purpose of carrying out works of improvements. Good progress has already been made in advance-ments under the Small Dwellings Acquisition Acts and in the giving of Improvement Grants. It might well transpire that the Council will find some scope in acquiring properties for improving when the full information, gained from the survey to be undertaken in connection with Slum Clearance, is available.

There exists an excellent team spirit among all members of the Department and I am indebted to them for the valuable service rendered throughout the year. I wish to thank the Chairman and Members of the Council for their support.

I am, Mr. Chairman, Ladies and Gentlemen,

Your obedient Servant,

H. J. DIMERY.
Engineer, Surveyor, and
Chief Sanitary Inspector

1. HOUSING.

The number of houses completed during the year was 68 out of a total of 119 under construction.

The total number of post-war houses completed by the Council at the end of 1954 was 668, made up as follows:—

1946	...	40
1947	...	19
1948	...	198
1949	...	52
1950	...	128
1951	...	36
1952	...	62
1953	...	65
1954	...	68

The number of contracts in progress during 1954 were as follows:—

17 Traditional Houses	.....	Woodfield.
44 Traditional Houses	.....	Woodfield.
17 Traditional Houses	.....	Uley (Raglan)
6 Traditional Houses	.....	Woodfield.
4 Traditional Houses	.....	Kingswood (Chestnut Park)
4 Shops and Flats	.....	Woodfield.
16 Cornish Unit Houses	.....	Woodfield.
Completion of Footpaths	.....	Woodfield Extension No. 5.
Estate Roads and Sewers, sufficient for approximately 60 houses at Wortley Road Estate.		
Estate Roads and Sewers, sufficient for approximately 100 houses at Woodfield Extension No. 6.		

Final accounts were examined and agreed during the year for the following contracts:—

4 Traditional Houses	.....	Kingswood. (Chestnut Park)
17 Traditional Houses	.....	Woodfield.
16 Cornish Unit Houses	.....	Woodfield.
Public Convenience	.....	Cam.
May Lane Car Park	.....	Dursley.
Extension of Watermain	.....	Nibley Reservoir to Southend and Swinhay Lane.

The settlement of final accounts is now much more quickly and easily accomplished by reason of the system of monthly measurement of work and checking of increased costs of labour and materials in interim payments.

DETAILS OF NUMBER OF HOUSES IN PROGRESS OF BUILDING IN 1954.

Woodfield Estate	.....	Holcot	.....	24
Woodfield Estate	.....	Traditional	.....	23
Uley (Raglan Estate)	.....	Traditional	.....	28
Woodfield Estate	.....	Traditional	.....	6
Kingswood (Chestnut Park)	.....	Traditional	.....	4

Wortley Road Estate		
Wotton-under-Edge	..... Traditional	..... 30
Woodfield Estate	..... Shops & Flats	..... 4

		Total: 119

DETAILS OF NUMBER OF HOUSES COMPLETED IN 1954.
Under Council's Engineer and Surveyor.

Woodfield Estate	..... 6	Traditional Houses	..... 6
Woodfield Estate	..... 44	Traditional Houses	..... 21
Uley (Raglan)	..... 17	Traditional Houses	..... 6
Wortley Road Estate,			
Wotton-under-Edge	..... 30	Traditional Houses	..... 12
Chestnut Park Estate,			
Kingswood	..... 4	Traditional Houses	.. ... 4
Uley (Raglan)	..... 22	Traditional Houses	..... 15
Woodfield Estate	..... 4	Flats (over Shops)	..... 4

			Total: 68

Completed under Private Enterprise.

Coaley	... ..	2
Cam	... ..	6
Dursley	... ..	2
Stinchcombe	... ..	2
Wotton-under-Edge	... ..	5
Slimbridge	... ..	1
North Nibley	... ..	1

	Total ...	19

Total by Council's Engineer and Surveyor	... 68
Total by Private Enterprise	... .. 19

Total	... 87

2. HOUSING ESTATE DEVELOPMENTS.

Surveys were carried out and levels taken at Slimbridge Tynning Crescent Estate for 7 houses, and at Woodfield for the siting of 31 Traditional Houses, 24 Holcot Houses and 14 Traditional Houses.

Surveys were made, levels taken and Plans, Specifications and Bills of Quantity drawn up for Roads and Sewers at The Rangers Estate, Woodmancote, Dursley, to accommodate approximately 120 dwellings.

Layout Plans were prepared for the following:—

- 31 Houses, Woodfield.
- 14 Houses, Woodfield.
- 24 Houses, Woodfield (Holcot Type).
- 4 Maisonettes and } Woodfield.
- 4 Old People's Flats }
- 7 Houses, Tynning Crescent, Slimbridge.

Detailed House Plans were prepared for the following:—

- 31 Houses, Woodfield.
- 14 Houses, Woodfield.
- 4 Maisonettes and } Woodfield.
- 4 Old People's Flats }
- 7 Houses, Tynning Crescent, Slimbridge.

During the year the following works were completed:—

Woodfield Estate—Extension No. 6 (excluding footpaths) comprising 3387 y.s. of Carriageway and 1,277 y.l. of Foul and Stormwater Sewers.

Footpaths were completed to the Carriageway at Woodfield Extension No. 5.

Tenders were invited for the undermentioned Schemes:

- 4 Old People's Flats and Maisonettes.
- 7 Traditional Houses at Slimbridge.
- 14 Traditional Houses at Woodfield.

Ministry approvals were given in respect of the following:

- 22 Traditional Houses, Raglan, Uley.
- 30 Traditional Houses, Wortley Road, Wotton-under-Edge.
- 24 Holcot Houses at Woodfield.
- 31 Traditional Houses at Woodfield.
- 4 Old People's Flats & Maisonettes at Woodfield.

3. BUILDING LICENCES.

The following is a Summary of applications received, investigated and dealt with for the year:

Applications received and investigated...	5
Number granted 	5
Value of Licences issued 	£7,853

The licensing control on the erection of small private houses was relaxed after the 20th April, 1954.

4. BUILDING BYELAWS.

The number of plans and applications deposited for consideration was 232 and of these 231 were approved and 1 disapproved.

The number of inspections made for foundations, damp proof course, drains and final inspections during the year were 597.

5. SMALL DWELLINGS ACQUISITION ACTS.

24 Valuations were made following the usual inspections of the properties, and in the cases of new dwellings after examination of plans and specifications.

18 Advances under the above Acts were recommended and approved.

One was not recommended as it was considered that the property was not up to the standard required.

Five applications were subsequently withdrawn.

22 Further inspections were made for the purpose of valuing work done for issuing of interim certificates in respect of advances made by instalments.

6. HOUSING ACTS 1949/52 — IMPROVEMENT GRANTS.

Numerous enquiries were received during the year prior to applicants completing formal applications and in this respect many visits to the properties had to be made. The work involved in advising on schemes, examining plans, estimating cost, inspections during work and valuation of work done for interim payments takes up considerable time. The number of applications received during the year total 27—of these 24 were granted, 2 refused and one withdrawn.

The approximate value of the work involved in carrying out improvements amounted to £17,253, and the amount of grants given totalled £8,558.

The use of the provision of the Acts is encouraged by the Ministry of Housing and Local Government and there is no doubt that the number of applications will increase.

It is interesting to note that four grants were made in respect of sub-standard dwellings which were subject to notices served under Section 11 of the Housing Act, 1936, and but for the financial assistance made available, in all probability they would have had to be demolished.

7. SALE OF COUNCIL HOUSES.

24 Surveys were made for the purpose of preparing detailed plans, indicating boundary fences, water services and drains, of houses agreed to be sold to tenants and a total of 144 plans were prepared.

8. WATER SUPPLY.

The District, except for about 5 per cent. of its population, has a supply from the Council's mains. The water has no appreciable plumbo solvent action and no special measures were required for protection other than chlorination.

The yield from the springs during the summer months did not drop so much as in previous years owing to the abnormal wet season. The average daily consumption for domestic, trade and agricultural purposes has now reached 750,000 (most probably 1,000,000 gallons daily will be needed in a comparative short period of time). It is to be hoped that the comprehensive scheme may soon be put into effect not only for the increase in supplies to be made available but because of the urgent need to increase storage capacity

and pumping capacity and to improve distribution. Without the Bulk Supply from the Gloucester Corporation for Slimbridge and part of Cam Parish and from the West Gloucestershire Water Company for Kingswood and part of Wotton Parish, the District could not have been maintained from the Council's existing available supplies.

The Bulk Supply from the West Gloucestershire Water Company was made necessary by the fact that there seemed to be no hope of obtaining any appreciable benefit from the proposed comprehensive scheme for several years although the preparation of such a scheme has been going on since 1947.

Bulk Supply from the West Gloucestershire Water Company

In order to afford a better supply to Kingswood and to improve the distribution of water in Wotton-under-Edge, particularly in the higher levels, the Council considered and eventually approved a scheme for taking a bulk supply from the West Gloucestershire Water Company estimated at approximately 50,000 gallons daily.

Plans, specification and Bills of Quantities were prepared for the laying of 1931 yards of 3in. and 4in. C.I. rising main from the West Gloucestershire Water Company's main in Wortley Village to the Reservoir at Little Tor including the laying of a 3in. C.I. supply main connecting up to the Wortley Road Housing Estate.

These works were completed in July, and as a result Kingswood is adequately supplied and conditions in Wotton greatly improved.

Service Reservoir.

The construction of a new 20,000 gallon reservoir and ancillary works at Little Tor were completed.

Comprehensive Scheme.

Exploratory work at Millend was carried out by the Consultant Engineer for the purpose of increasing supplies from that source. It is difficult to estimate what the minimum yield of the supply is likely to be as a result of the work owing to the abnormal wet season.

A new 45 h.p. Sulzer Pump was installed temporarily (until the new station and pumps proposed in the comprehensive scheme becomes available) to increase pumping capacity.

Leathern Bottle Scheme.

Approximately 83 plans were prepared for the serving of notices upon owners and occupiers for the laying of the rising main from Leathern Bottle Pumping Station to the Reservoir situated at Sandpits. When this scheme is completed it will not materially benefit the present situation, except in periods of drought, as the full advantage of the additional water made available will not materialise until the high level reservoir at Breakheart Hill is constructed and the necessary mains laid by which Caswell springs can be utilized for North Nibley, Wotton and Kingswood Districts.

Consumption.

The consumption for the year 1953 and 1954 was:—

Year.		Domestic.	Industrial.	Agricultural.	Total.
1953	...	542,223	105,493	35,274	683,000
1954	...	615,375	102,013	46,330	763,718

Extensions to Water Mains.

Since 1946 approximately 10 miles of 3in., 4in. & 5in. diameter C.I. supply mains have been laid for new housing estates and in extending to various parts of the District.

The following extensions were made during the year:—

Kingswood: 250 yards of 3in. C.I. main from existing mains at Wickwar Road to the main at Hillesley Road.

Wotton-under-Edge: 694 yards of C.I. main laid from the Reservoir at Tor Hill to the Wortley Road Housing Estate.

1237 yards of 4in. C.I. main from West Gloucestershire Water Company's mains at Wortley to Tor Hill Reservoir.

North Nibley: 1650 yards of 2in. and 1in. galvanised iron main from North Nibley Reservoir to Southend and Swinhay Lane.

Plans, Specifications and Bills of Quantities were prepared for the following schemes:—

Owlpen Village: 1067 yards of 3in. C.I. Main.

North Nibley: 1388 yards of 2in. and 1½in. galvanised iron mains to Nibley Green area.

The Scheme for Owlpen has been submitted to the Ministry of Housing and Local Government and approval is awaited for sanction to proceed with the work.

Stinchcombe Hill Water Supply.

The Council have now taken over the Stinchcombe Hill Water Supply apparatus comprising a small booster plant situated near the bottom of Hill Road which pumps the water to storage tanks adjoining the Stinchcombe Hill Golf Club.

PARTS PER MILLION		*Centre Spring (No. 3) Spring Tynning Coaley	Brook, Road Green Cottages North Nibley	Brook, Road Green Cottages, North Nibley	*Spring from New Adit, Millend, North Nibley	*Tap at The Orchard, Sandpits, Dursley	*Tap at Sills Leaze, Dursley.	*Tap at Sill's Leaze, Dursley	Well at Farm Buildings Ellermcroft, Wotton-u-Edge
Date	.. .. .	4.1.54	11.1.54	18.1.54	25.1.54	(For Residual Chlorine Only) 15.2.54	(For Residual Chlorine Only) 15.2.54 (10.45 a.m.)	(For Residual Chlorine Only) 15.2.54 (11.35 a.m.)	15.2.54
Total Solid Matter (Dried at 180°C.	.. .. .	280			329				
Mineral Matter	.. .. .	32			302				
Loss on ignition	.. .. .	248			27				
Chlorine as Chlorides	.. .. .	17			15				
Total Oxidised Nitrogen	.. .. .							
Nitrite Nitrogen	.. .. .	V. slt. trace			nil				
Free Ammonia	.. .. .	nil			nil				
Albuminoid Ammonia	.. .. .	nil			0.01				
Nitrogen as Nitrates	.. .. .	1.16			0.73				
Total Hardness { By Sodium		252			310				
Per. Hardness { Versenate	..	77			56				
Temporary		175			254				
pH	.. .. .	7.4			7.2				
Metals	.. .. .	nil			nil			nil	
Residual Chlorine	.. .. .					nil			
Bacteriological Examination									
Number of colonies per ml. of original water developing at 37°C.	.. .. .	3	504	530	1				209
At 20—22°C.	.. .. .	13	8,600	11,600	9				4,600
Probable number of coliform organisms per 100 ml. of original water	..	0	900	More than 1,800	0				17
Faecal B. coli type I present/absent		Absent	Present	Present	Absent				Present

PARTS PER MILLION		*Tap at The Orchard, Sandpits, Dursley	*Tap at Sills Leaze, Dursley	*Tap at Sills Leaze, Dursley	*Tap at The Orchard Sandpits, Dursley	*Spring Caswell Pumping Station, Dursley	*Spring from New Adit, Millend, North Nibley	*Tap at Old Pumping Station, Dursley	*Bottom Spring, Tyley Bottom, Wotton-u-Edge
Date	.. .. .	(For Residual Chlorine Only) 19.2.54	(For Residual Chlorine Only) 23.2.54	(For Residual Chlorine Only) 19.2.54	(For Residual Chlorine Only) 23.2.54	1.4.54	1.4.54	1.4.54	5.4.54
Total Solid Matter (Dried at 180°C.	.. .. .					370	342	398	324
Mineral Matter	.. .. .					340	320	366	300
Loss on ignition	.. .. .					30	22	32	24
Chlorine as Chlorides	.. .. .					16	17	13	13
Total Oxidised Nitrogen	.. .. .					nil	nil	V. slt. trace	nil
Nitric Nitrogen	.. .. .					nil	nil	nil	nil
Free Ammonia	.. .. .					0.01	0.01	0.01	0.01
Albuminoid Ammonia	.. .. .					1.22	1.39	2.51	1.02
Nitrogen as Nitrates	.. .. .							
Total Hardness (By Sodium Per. Hardness { Versenate .. Temporary	.. .. .					334	292	370	284
	.. .. .					75	76	78	70
	.. .. .					259	216	292	214
	.. .. .					7.3	7.4	7.4	7.4
pH	.. .. .					nil	nil	nil	nil
Metals	.. .. .					Absent	Absent	Absent	Absent
Residual Chlorine	.. .. .	Trace (0.02)	nil	Trace (0.02)	nil				
Fluorine	.. .. .							
Bacteriological Examination									
Number of colonies per ml. of original water develop- ing at 37°C.	.. .. .					less than 1	7	less than 1	1
At 20—22°C.	.. .. .					7	5	53	5
Probable number of coli- acrogens organisms per 100 ml. of original water	.. .. .					5	0	0	0
Faecal B. coli type I present/absent						Absent	Absent	Absent	Absent

	*Top Spring Tyley Bottom, Wotton-u-Edge	*Greenhay Spring Coombe, Wotton-u-Edge	*1 Chestnut Cottages, Coombe, Wotton-u-Edge	*Water issu- ing from Rock at New Adit North Nibley	*Water from Standpipe Millend, North Nibley	*Collecting Chamber, Frogend Spring, Wotton-u-Edge	*Collecting Chamber, Hamblin's Brake, Wotton-u-Edge	*Centre Spring (No. 3), Spring Tynning, Coaley
PARTS PER MILLION	5.4.54	5.4.54	5.4.54	12.4.54	12.4.54	12.4.54	12.4.54	21.4.54
Date	334	292				334	372	302
Total Solid Matter (Dried at 180°C.	328	284				320	344	284
Mineral Matter	6	8				14	28	18
Loss on ignition	13	16				13	13	17
Chlorine as Chlorides								
Total Oxidised Nitrogen	nil	nil				nil	nil	V. slt. trace
Nitrite Nitrogen	nil	nil				nil	nil	nil
Free Ammonia	0.02	0.01				0.02	0.01	0.01
Albuminoid Ammonia	0.79	2.90				1.82	0.06	1.06
Nitrogen as Nitrates	298	250				292	318	264
Total Hardness (By Sodium	66	73				56	83	77
Per. Hardness { Versenate ..	232	177				236	235	187
Temporary	7.4	7.4				7.4	7.8	7.6
pH	nil	nil				nil	nil	nil
Metals								
Residual Chlorine	Absent	Absent	Chlorinated			Absent	Absent	Absent
Fluorine								
Bacteriological Examination								
Number of colonies per ml.								
of original water develop-	10	28	11	less than 1	4	7	5	5
ing at 37°C.	320	330	94	less than 1	less than 1	72	130	50
At 20—22°C.								
Probable number of coli- aerogenes organisms per 100 ml. of original water ..	35	3	0	0	0	0	0	70
Faecal B. coli type I present/absent	Absent Inter type 1 present	Absent Irregular other types present	Absent	Absent	Absent	Absent	Absent	Absent Intermediate type I present

* Denotes Council's Supply

	*South Spring, (No. 1) Spring Tynning, Coaley	*North Spring, (No. 2) Spring Tynning, Coaley	*Tap, 3, Hillside, Coaley	Spring in Kingshill area (Hunt & Winterbotham Cam)	*Tap, Council Offices, Kingshill, Dursley.	Tap Gladstone Cottage, Cambridge, (Gloucester Corp.)	*Tap 1, Innocks Estate, North Nibley	*Tap Taylor's Furnishing Store Wotton-u-Edge
FARTS PER MILLION								
Date	21.4.54	21.4.54	21.4.54	27-4-54	5-5-54	5-5-54	5-5-54	5-5-54
Total Solid Matter (Dried at 180°C)	270	352						
Mineral Matter	254	330						
Loss on ignition	16	22						
Chlorine as Chlorides	13	15						
Total Oxidised Nitrogen	V. slt. trace	V. slt. trace						
Nitrite Nitrogen	nil	nil						
Free Ammonia	0.01	0.01						
Aluminoid Ammonia	0.99	0.59						
Nitrogen as Nitrates	234	314						
Total Hardness } By Sodium	62	61						
Per. Hardness } Versenate	178	253						
Temporary	7.5	7.3						
pH	nil	nil						
Metals								
Residual Chlorine	Absent	Absent	Chlorinated		Chlorinated	Chlorinated	Chlorinated	Chlorinated
Fluorine								
Bacteriological Examination								
Number of colonies per ml. of original water developing at 37°C	10,500	1,850	2	5	2	36	1	9
At 20—22°C	23,200	4,200	2	64	less than 1	65	less than 1	49
Probable number of coliform aerogenes organisms per 100 ml. of original water	1,800 plus	350	50	0	0	0	0	0
Faecal B. coli type I present/absent	Absent	Absent but intermediate type 1 & irregular type 1 present	Absent intermediate type 1 present	Absent	Absent	Absent	Absent	Absent

PARTS PER MILLION		*South Spring (No. 1) Spring Tynning Coaley	*Centre Spring (No. 3) Spring Tynning, Coaley	*North Spring (No. 2) Spring Tynning, Coaley	*Standpipe Hammer Mills, Coaley	Tap, 14, Tynning Crescent, Slimbridge (Gloucester Corp. Supply)	Tap, Slimbridge Primary School, (Gloucester Corp. Supply)	Pump at house in Bristol Rd. Cambridge	Spring, Watsons Bridge Factory Nr. Charfield
Date	.. .. .	25-5-54	25-5-54	25-5-54	25-5-54	14-7-54	15-7-54	15-7-54	27-7-54
Total Solid Matter (Dried at 180°C	.. .. .							
Mineral Matter	.. .. .							
Loss on ignition	.. .. .							
Chlorine as Chlorides	.. .. .							
Total Oxidised Nitrogen	.. .. .							
Nitrite Nitrogen	.. .. .							
Free Ammonia	.. .. .							
Albuminoid Ammonia	.. .. .							
Nitrogen as Nitrates	.. .. .							
Total Hardness } By Sodium	.. .. .							
Per. Hardness } Versenate	.. .. .							
Temporary	.. .. .							
pH	.. .. .							
Metals	.. .. .							
Residual Chlorine	.. .. .							
Fluorine	.. .. .							
Bacteriological Examination									
Number of colonies per ml. of original water developing at 37°C	.. .. .	3	7	81	13	11	290	5	4,000
At 20—22°C	.. .. .	71	36	580	14	1,310	230,000	48	more than 30,000
Probable number of coli-aerogenes organisms per 100 ml. of original water ...	.. .. .	0	0	900	0	1	0	0	1,800 plus
Faecal B. coli type I present/absent		Absent, but intermediate type 1 present	Absent	Present, also intermediate type 1	Absent	Absent, but irregular type 1 isolated	Absent	Absent	Present

* Denotes Council's Supply

	Borehole, Cotswold Publishing Co. Wotton-u-Edge	*Collecting Chamber, Millend, North Nibley	*Overflow from New Adit, Millend, North Nibley	*Tap, Golf Club, Stinchcombe Hill	Well, Westfield Farm, Coaley	*Old Spring Millend Pumping Station, North Nibley	*Overflow from New Adit, Millend, North Nibley	Spring, The Shears, Uley
PARTS PER MILLION								
Date	27-7-54	2-9-54	2-9-54	2-9-54	2-9-54	28-9-54	28-9-54	28-9-54
Total Solid Matter (Dried at 180°C					588			
Mineral Matter					494			
Loss on ignition					94			
Chlorine as Chlorides					23			
Total Oxidised Nitrogen					0.01			
Nitrite Nitrogen					0.01			
Free Ammonia					0.02			
Albuminoid Ammonia					1.24			
Nitrogen as Nitrates					472			
Total Hardness } By Sodium					243			
Per. Hardness } Versenate					229			
Temporary					7.2			
pH					nil			
Metals								
Residual Chlorine								
Fluorine								
Bacteriological Examination				Chlorinated				
Number of colonies per ml. of original water developing at 37°C	90	370	3	18	32	16	1	41
At 20—22°C	6,500	1,540	29	32	113	117	22	172
Probable number of coli-aerogenes organisms per 100 ml. of original water	1,800 plus	17	9	0	1	30	2	45
Faecal B. coli type I present/absent	Present	Present	Absent	Absent	Absent	Present	Absent	Present

* Denotes Council's Supply

	Spring, Brookside, Stancombe, North Nibley	Tap, 13, Draycott Bungalows, Cam. (Gloucester Corp. Supply)	Well at Cottage, Nr. King's Head, North Nibley	*Tap Tower Cafe, Wotton-u-Edge	Tap, 16, Chestnut Park Estate, Kingswood (West Glos. Water Co.)		
PARTS PER MILLION							
Date	28-9-54	20-12-54	20-12-54	20-12-54	20-12-54		
Total Solid Matter (Dried at 180°C			736		452		
Mineral Matter			681		428		
Loss on ignition			55		24		
Chlorine as Chlorides			60		21		
Total Oxidised Nitrogen					nil		
Nitrite Nitrogen			0.02		nil		
Free Ammonia			0.01		0.01		
Albuminoid Ammonia			0.16		4.16		
Nitrogen as Nitrates			4.37		360		
Total Hardness) By Sodium			254		83		
Per. Hardness) Versenate			39		277		
Temporary			215		7.3		
pH			7.5		Zinc-slight		
Metals			nil		trace		
			—		0.10		
Residual Chlorine							
Fluorine							
Bacteriological Examination		Chlorinated		Chlorinated			
Number of colonies per ml. of original water developing at 37°C	76	3	310	3	less than 1		
At 20—22°C	14,000	91	3,700	32	less than 1		
Probable number of coli-aerogenes organisms per 100 ml. of original water	25	0	350	0	0		
Faecal B. coli type I present/absent	Present	Absent	Present	Absent	Absent		

Fluorine Content.

When samples of water were submitted for chemical analysis from the Council's sources of supply they were examined for fluorine content. This examination was asked for in connection with the effect fluorine has on the prevention of dental caries. Fluorine was not present in any of the samples submitted.

Parish	Estimated Popula- tion, Based on Inhabited Properties	No. of Properties in Parish	No. of Properties connected with a piped water supply (including Stand- pipe supplies)		Houses supplied by Stand- pipes
			Meter	Domestic, etc.	
Cam	3,546	1,266	51	1,136	52
Coaley	735	237	6	159	48
Dursley	4,756	1,607	47	1,461	67
Kingswood	932	334	15	268	39
North Nibley	788	263	35	118	40
Nympsfield	329	94	9	69	4
Slimbridge	884	288	52	192	41
Stinchcombe	420	138	28	88	6
Uley	1,046	344	12	275	44
Owlpen	56	17	—	—	—
Wotton-under-Edge ..	3,578	1,265	33	1,056	123
	17,070	5,853			

CONNECTIONS TO WATER MAINS

During 1954 the following connections were made to the Council's water mains:—

Parish	No. of houses connected	Meter	Total
Dursley	2	1	3
Cam	51	—	51
Coaley	1	—	1
Slimbridge	3	—	3
Stinchcombe	6	—	6
North Nibley	1	2	3
Wotton-under-Edge ..	10	2	12
Kingswood	5	—	5
Uley	13	—	13
Nympsfield	2	—	2
	94	5	99

9. DRAINAGE AND SEWERAGE.

Conditions throughout the District remain the same. The discharge of sewage into the open ditches in the villages of Kingswood, Slimbridge, Cambridge, North Nibley and Stinchcombe creates many nuisances which cannot be remedied until the proposed schemes now being prepared by the Consultant Engineers, upon instructions of the Council, materialise.

It has not yet been possible to commence any work on the comprehensive schemes prepared by the Consultant Engineers for Dursley, Uley and Coaley Districts.

Extension of Council's Sewer at Oldhill Lane, Stinchcombe.

The scheme prepared for the above was approved by the Ministry of Housing and Local Government during the year and the work has been practically completed.

10. CAR PARKS.

Water Street Car Park.

The above Park, of an area of approximately 630 yards super, was surfaced with tar macadam.

Hill Road Car Park.

Survey was made and levels taken and plans, specifications and Bills of Quantities were prepared for a scheme sufficient to accommodate 42 cars, and tenders were invited for the work.

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